

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
617-983-6622

02/08/12

Mark Byron Assistant District Attorney, Essex County

Dear ADA Byron,

Enclosed are copies of the information you requested regarding sample number in the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
- 3. Control Card with Analytical Results for sample number
- 4. Analysis Notation Forms for the above sample number.
- 5. GC-MS Raw Data Sheets for the above sample number.

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Ɗaniela Frasca Chemist II

Drug Laboratory 617 983-6631

fax: 617 983-6625

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory State Laboratory Institute **Amherst Drug Laboratory** Tel (617) 983-6622 Tel (413) 545-2601 Fax (617) 983-6625 Fax (413) 545-2608 **Boston Hours** Amherst Hours DRUG RECEIPT 8:00 - 11:009:00 - 12:002:00-4:001:00 - 3:00Police Reference No.: City or Department: Name and Rank of Submitting Officer: DET. MARK RICHMOND Defendant(s) Name (last, first, initial): To be completed by Submitter To be completed by Lab Personnel **Description of Items Submitted** Gross Weight Lab Number Date: 7- 9-09

Curriculum Vitae

Daniela Frasca

Education

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA

01/2001 – present

Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the
 presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- · Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 - 10/2001

Department of Toxicology: Medical Technologist 1

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- · Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training and Graduate Courses

Boston University School of Medicine

Forensic Toxicology

Bloodstain Pattern Analysis

Forensic Pathology

Pattern Evidence Analysis

Trace Evidence Analysis

Forensic Biology

Criminal Law Mock Court (Expert Witness)

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Scanning Electron Microscopy and X-ray Microanalysis

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Sample Preparation and Manipulation for Microanalysis

Chemical Microscopy

Massachusetts State Laboratory Institute

Expert Witness Testimony

Portable Raman Spectrometry

Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS)
- The International Association of Forensic Toxicologists (TIAFT)
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT)
- Massachusetts State Science Fair Judge
- Middle School State Science Fair Judge
- TTT Mentor Science Project Mentor/Tutor Volunteer

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry Minor: Economics

Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing of the Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.
- *Maintenance and repairs of analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health.
- *Notary Public.

2001 -- 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques for the QC Dept. and FDA.
- *Writing, revising and reviewing the Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice - Forensics Professionals

Introduction to Forensic Drug Chemistry

Chemical Spot Test and Mechanism for Illicit Drugs

Forensic Mass Spectrometry

Forensic Science 101: An Introduction

Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony

Evidence Analysis

Ethics in Forensic Science

Transition to Leadership

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectum One.

Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

No.

Date Analyzed: 02-22-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def:

Amount:

Cont: pb

Subst: SUB

No. Cont:

12

Date Rec'd: 07/09/2009

Gross Wt.:

7.60

No. Analyzed: 2

Net Weight: 1

Estimated Not pu

Tests: 10

Findings:

cocaro

DRUG POWDER ANA	LYSIS FORM		
	AGENCY Lynn	Z ANALYST	(M)
HYSICAL DESCRIPTION:	a large l Seded Sepa Endance be	713 hear mely i'n	Er. mak
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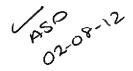
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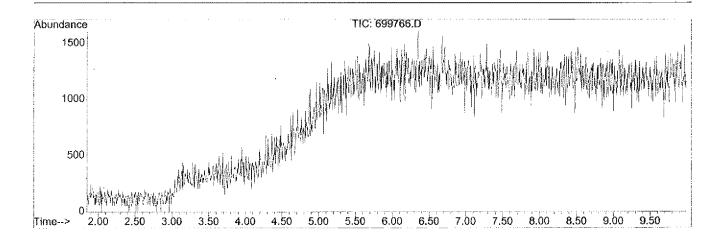
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Operator : ASD

Date Acquired : 20 Feb 2010 23:35

Sample Name : BLANK Submitted by : DCS Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE





Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

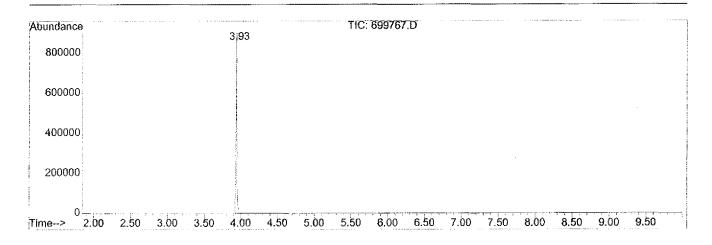
File Name : F:\Q1-2010\SYSTEM4\02_19_10\699767.D

Operator : ASD

Date Acquired : 20 Feb 2010 23:49

Sample Name : COCAINE STD

Submitted by : DCS Vial Number : 81 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.935	833329	100.00	100.00	

File Name : F:\Q1-2010\SYSTEM4\02 19 10\699767.D

Operator : ASD

Date Acquired : 20 Feb 2010 23:49

Sample Name : COCAINE STD

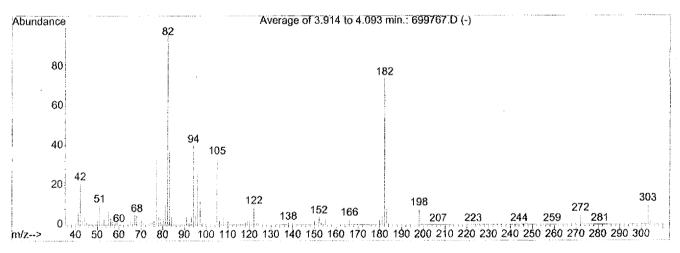
Submitted by : DCS Vial Number : 81 AcquisitionMeth: DRUGS Integrator : RTE

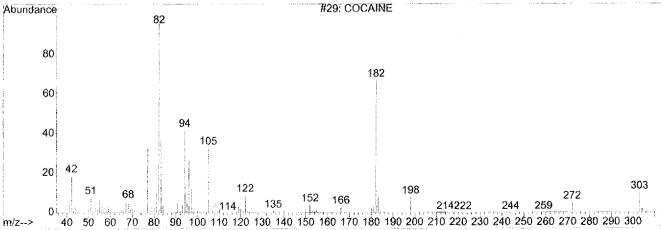
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C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1.	3.93	C:\DATABASE\SLI.L COCAINE	000050-36-2	99





699767.D

Wed Feb 08 08:40:07 2012

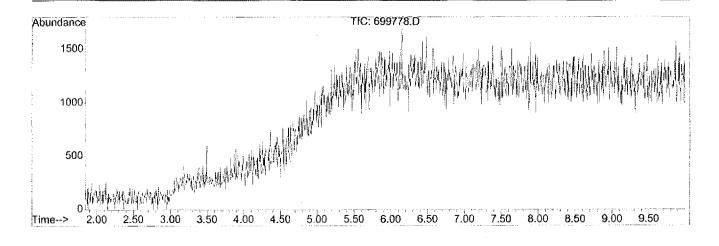
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File Name : $F:\Q1-2010\SYSTEM4\02_19_10\699778.D$

Operator : ASD

Date Acquired : 21 Feb 2010 2:20

Sample Name : BLANK Submitted by : DXF Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

^{***}NO INTEGRATED PEAKS***

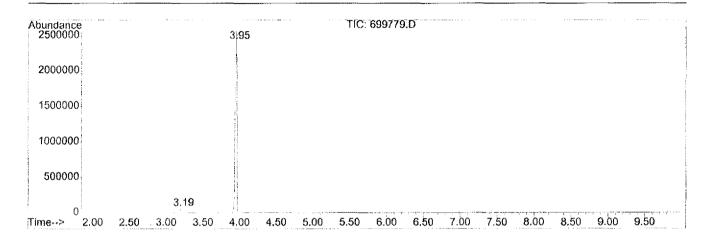
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Operator : ASD

Date Acquired : 21 Feb 2010 2:34

Sample Name

Submitted by : DXF
Vial Number : 25
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.193 3.954	124129 4073199	2.96 97.04		

File Name : F:\Q1-2010\SYSTEM4\02 19 10\699779.D

Operator : ASD

Date Acquired : 21 Feb 2010 2:34

Sample Name :

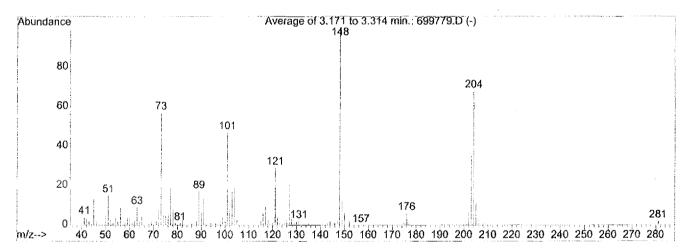
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Vial Number : 25
AcquisitionMeth: DRUGS
Integrator : RTE

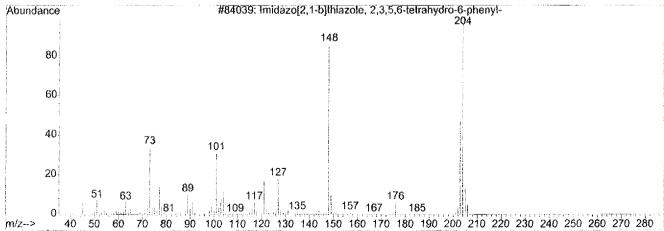
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID		CAS#	Qual
 1	3.19	C:\DATABASE\NIST98.L			
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	97
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	97





699779.D

Wed Feb 08 08:40:26 2012

File Name : $F:\Q1-2010\SYSTEM4\02\19\10\699779.D$

Operator : ASD

Date Acquired : <u>21 Feb 2010</u> 2:34

Sample Name :

Submitted by : DXF
Vial Number : 25
AcquisitionMeth: DRUGS
Integrator : RTE

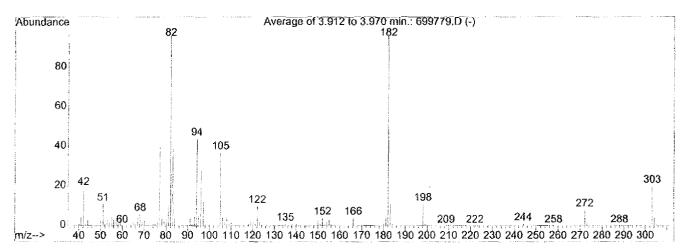
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

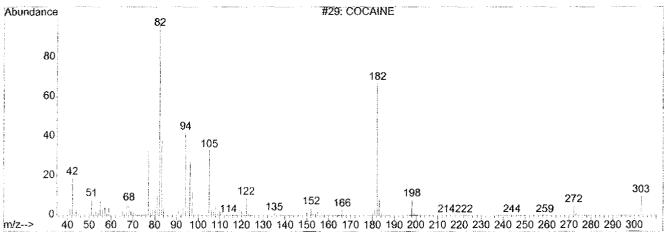
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

2 3.95 C:\DATABASE\SLI.L
COCAINE 000050-36-2 99





699779.D

Wed Feb 08 08:40:26 2012

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\02_19_10\699780.D Operator : ASD

Date Acquired : 21 Feb 2010 2:47

Sample Name : Submitted by

: DXF Vial Number : 26 AcquisitionMeth: DRUGS Integrator : RTE

Abundance	3 95	TIC: 699780.D			
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1500000					
1000000					To what consequences
500000					
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Ret. Time	Area	Area %	Ratio %
3.949	2864892	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\02 19 10\699780.D

Operator : ASD

Date Acquired : 21 Feb 2010 2:47

Sample Name :

Submitted by : DXF
Vial Number : 26
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

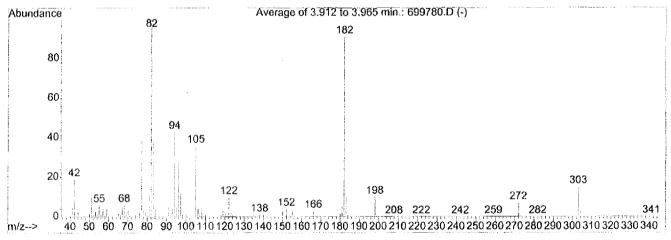
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

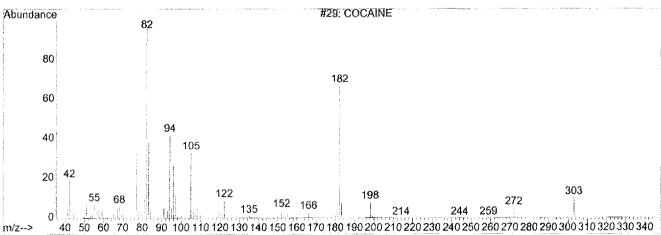
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 3.95 C:\DATABASE\SLI.L

COCAINE 000050-36-2 99





699780.D

Wed Feb 08 08:40:31 2012

Information from Data File:

File Name : $F:\Q1-2010\SYSTEM4\02_19_10\699782.D$

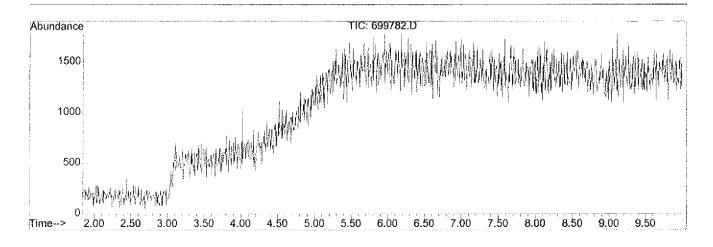
Operator : ASD

Date Acquired : 21 Feb 2010 3:15

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time

Area

Area

Ratio %

NO INTEGRATED PEAKS

699782.D

Wed Feb 08 08:40:43 2012

Information from Data File:

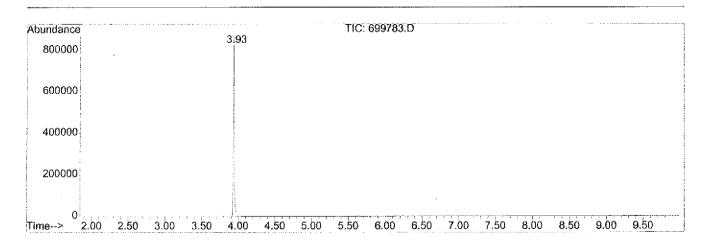
File Name : F:\Q1-2010\SYSTEM4\02_19_10\699783.D

Operator : ASD

Date Acquired : 21 Feb 2010 3:29

Sample Name : COCAINE STD

Submitted by : KAC : 81 Vial Number AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.933	819616	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\02_19_10\699783.D

Operator : ASD

Date Acquired : 21 Feb 2010 3:29

Sample Name : COCAINE STD

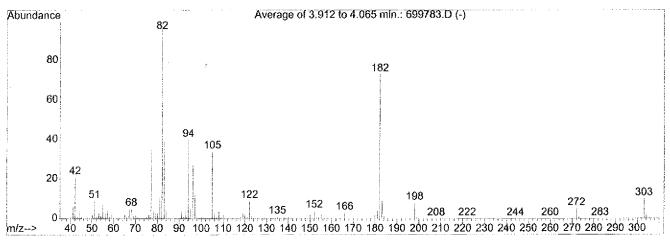
Submitted by : KAC Vial Number : 81 AcquisitionMeth: DRUGS Integrator : RTE

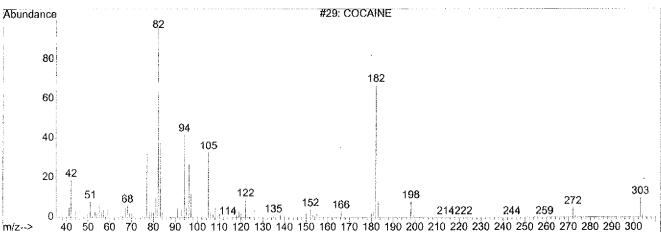
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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699783.D

Wed Feb 08 08:40:48 2012